

# ***Your Local National Weather Service Forecast Offices Saves Lives!***

**Regional Interagency Steering Committee  
Atlanta, GA - March 16, 2005**

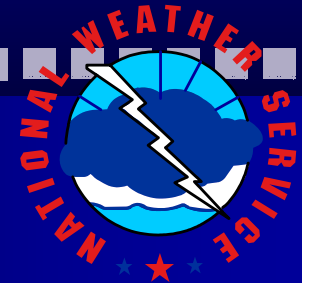
**Bill Proenza  
Regional Director  
National Weather Service  
Southern Region**

# Overview

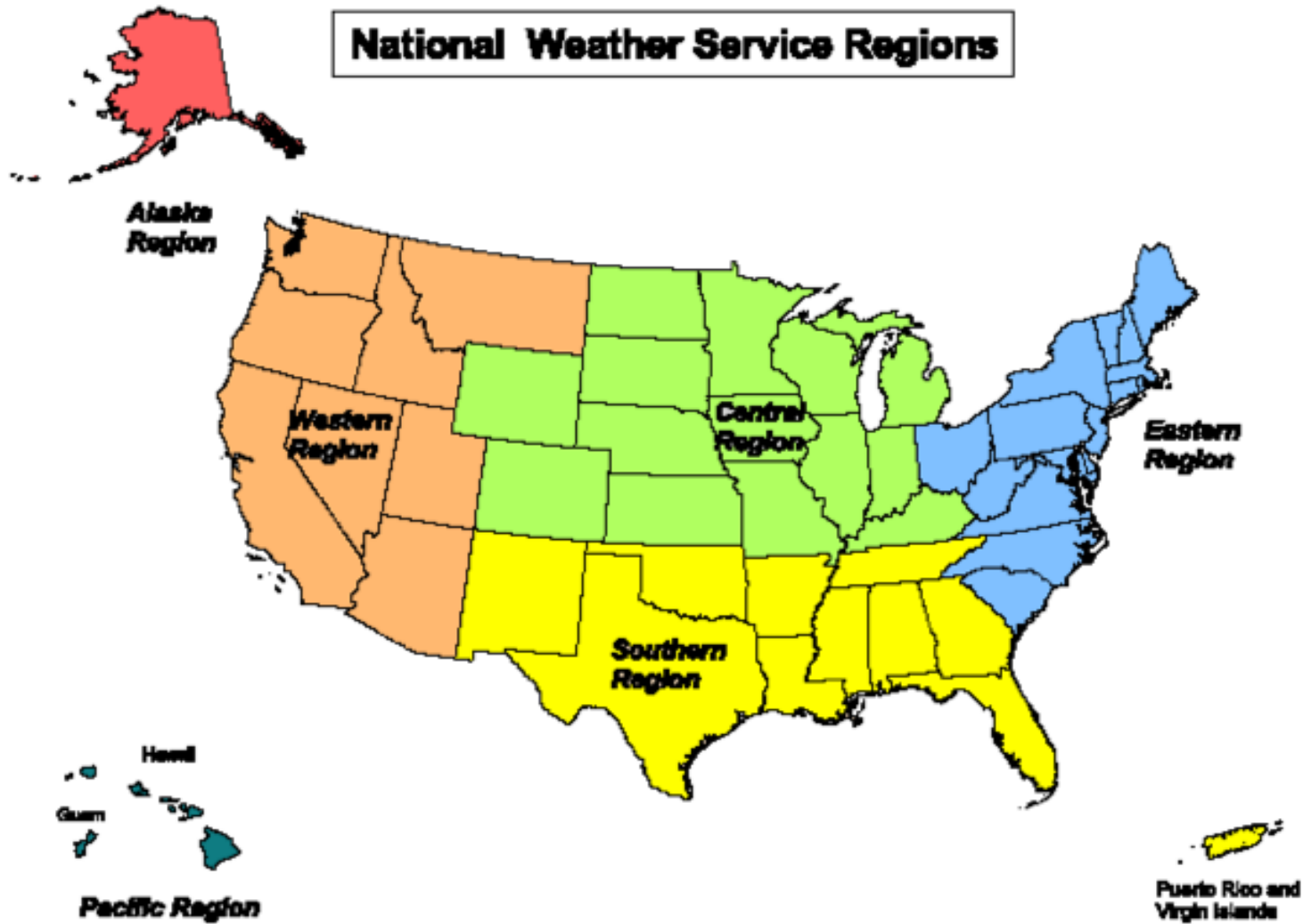
- Your “**Local**” National Weather Service Office Performance in our Severe Weather Active Nation.
- The Tidal Wave aka Tsunami; The Forgotten Danger
- Your Internet: For the Latest in Developing Weather and Warnings



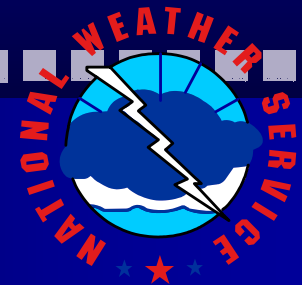
NWS SOUTHERN REGION  
[www.srh.weather.gov](http://www.srh.weather.gov)



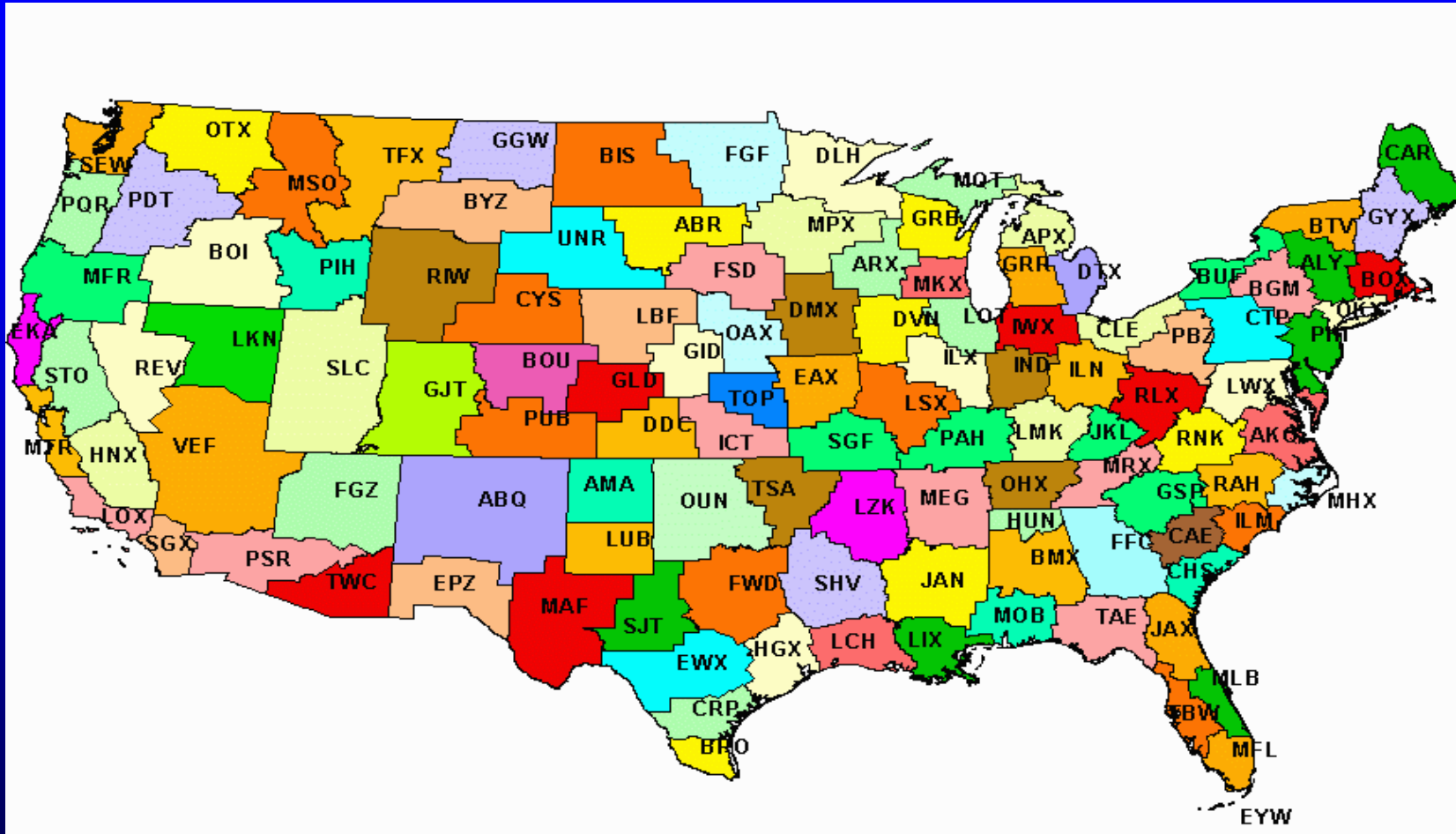
## National Weather Service Regions



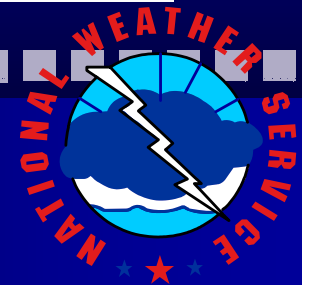
NWS SOUTHERN REGION  
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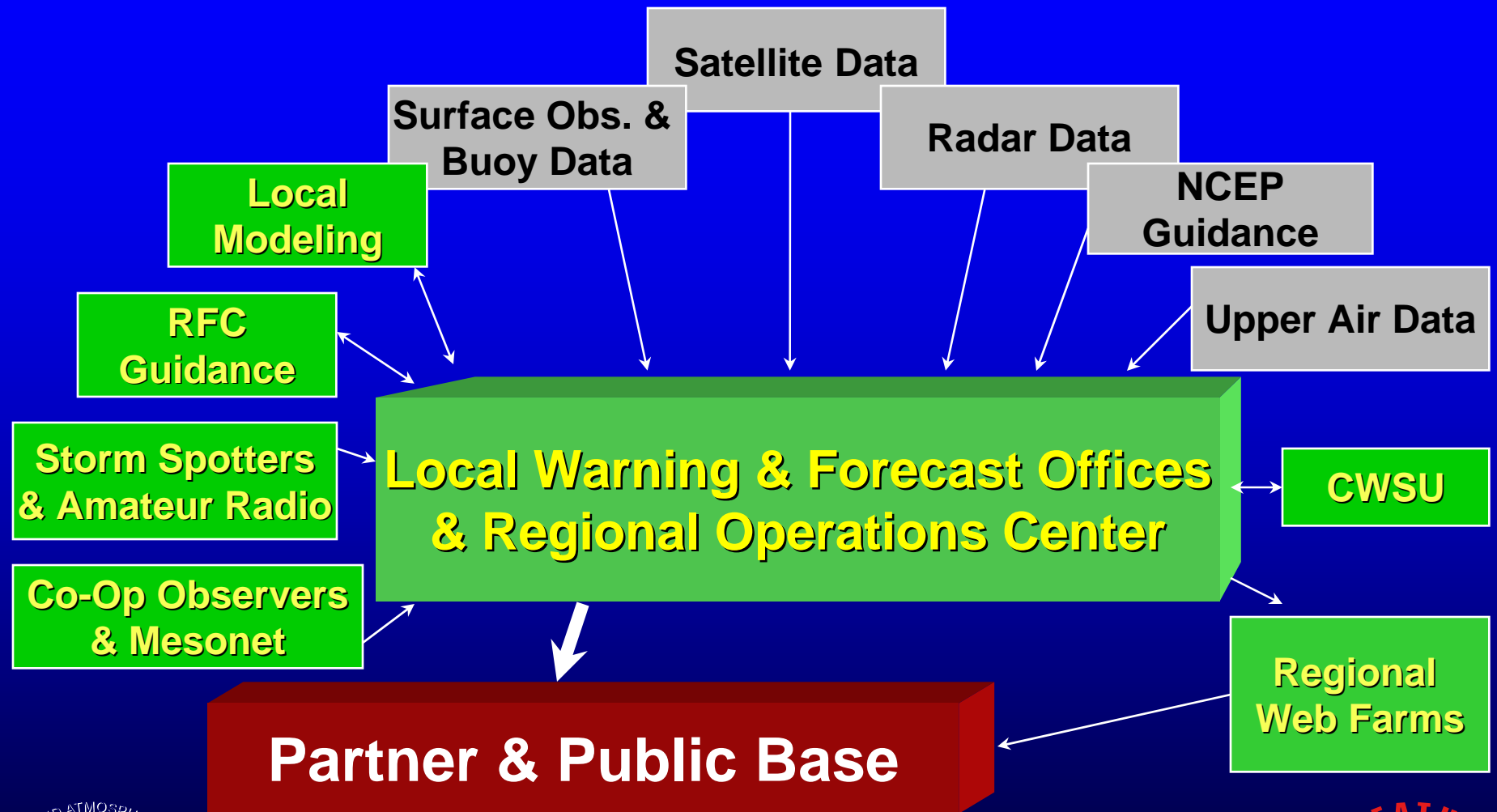
# 122 NWS Warning Forecast Offices



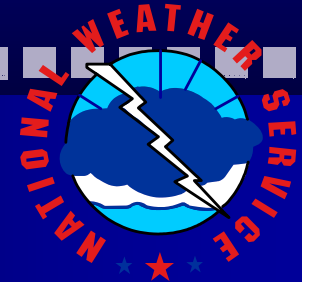
NWS SOUTHERN REGION  
*www.srh.weather.gov*



# NWS Information Flow



NWS SOUTHERN REGION  
[www.srh.weather.gov](http://www.srh.weather.gov)

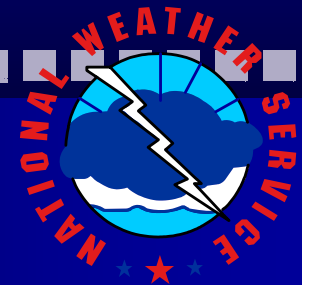


# Benefits of Your Local WFO

- Your local source of timely weather warnings, watches, advisories, statements and outlooks.
  - (e.g. TORs, SVSs, SPSs, & HWOs)
- Partner in Community Outreach & Preparedness.
- Local Area Expertise.
- For 24 x 7 weather support in natural and man made (accidental or intentional) events.

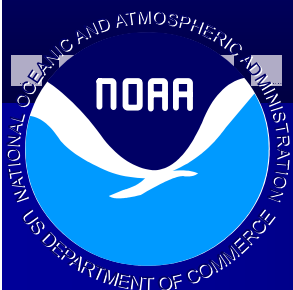


NWS SOUTHERN REGION  
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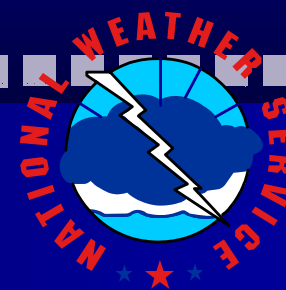


# Regional Operations Center

- Federal/State/Local EM briefings
- NWS major weather event coordination
- Special staff deployments to active weather areas.
- Media briefing & Post-event assessment & reporting
- **817-978-1100 x147**

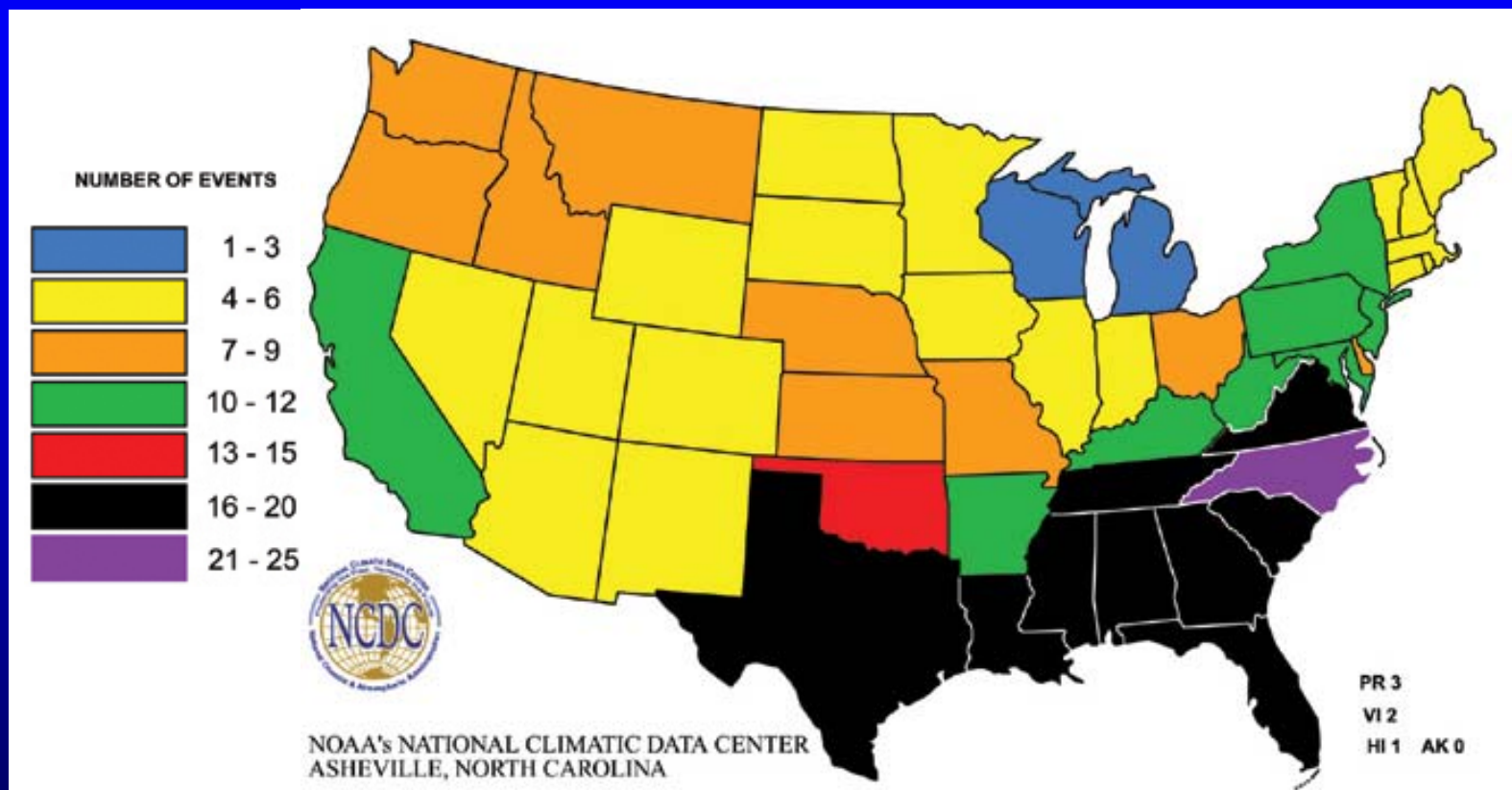


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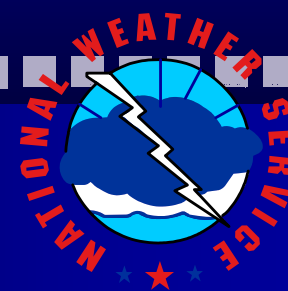
# World's Most Active Weather!



Billion Dollar Weather Events, 1980-2004



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[www.srh.weather.gov](http://www.srh.weather.gov)





# U.S. has the most Tornadoes

SR 3,236

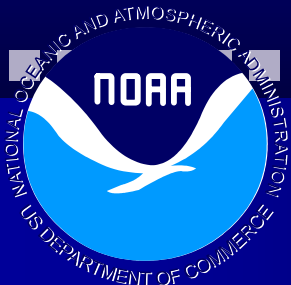
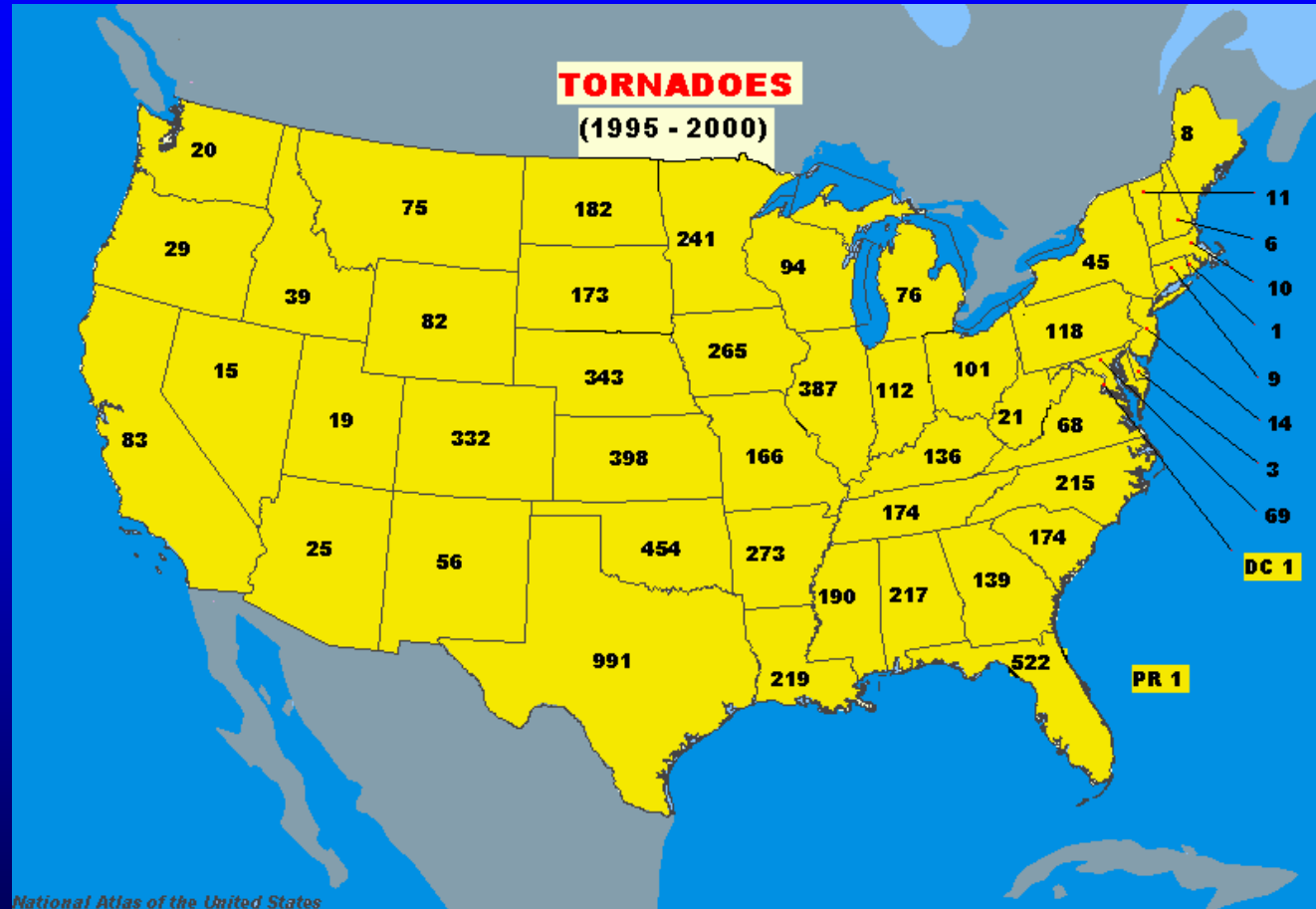
CR 2,987

ER 874

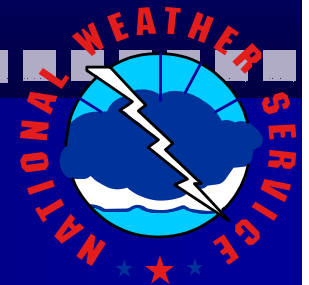
WR 305

**TOT 7,402**

(1995-2000)



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# WFOs & EM Community Save Lives

## April 1974 Super Outbreak

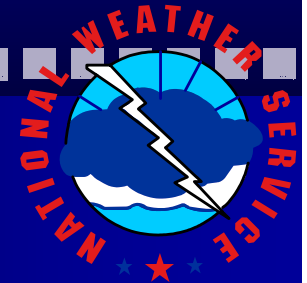
- Single largest 24 hour tornado outbreak
- 148 Tornadoes
- 330 Fatalities
- Up to 5 Minute Lead Time

## May 2003 Outbreak

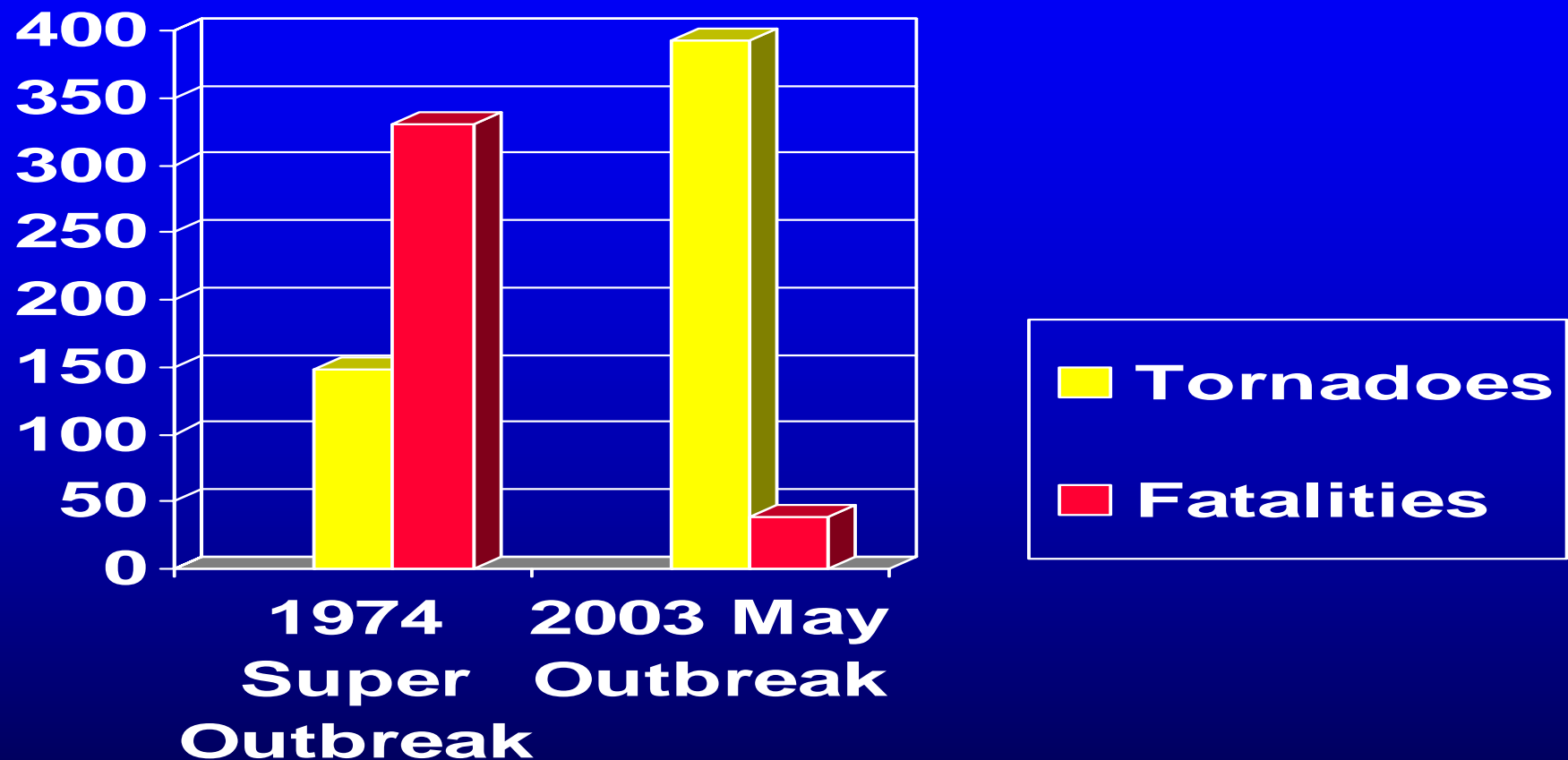
- Unprecedented in size & time (9 days)
- 340 Tornadoes
- 39 Fatalities
- Averaged **19 Minute** Lead Time



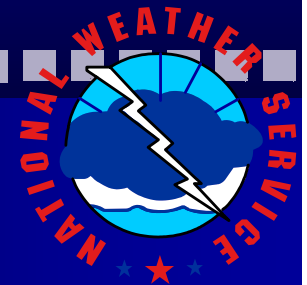
NWS SOUTHERN REGION  
[www.srh.weather.gov](http://www.srh.weather.gov)



# Local WFOs Save Lives

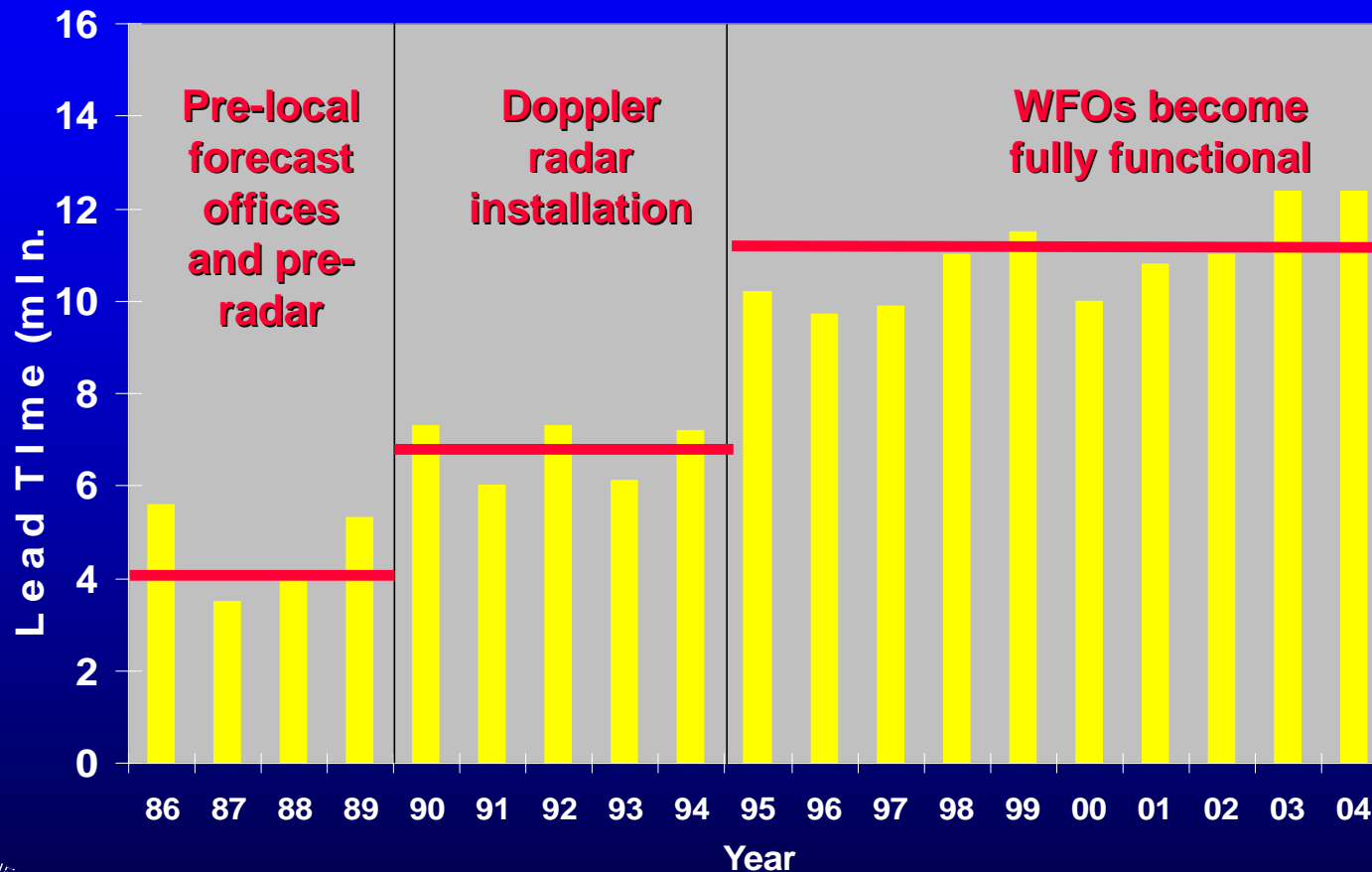


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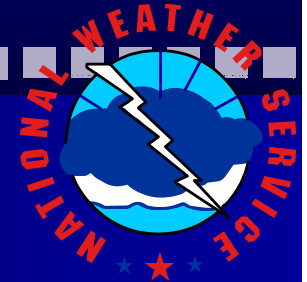


# Local WFOs Save Lives

## Tornado Warning Lead Time

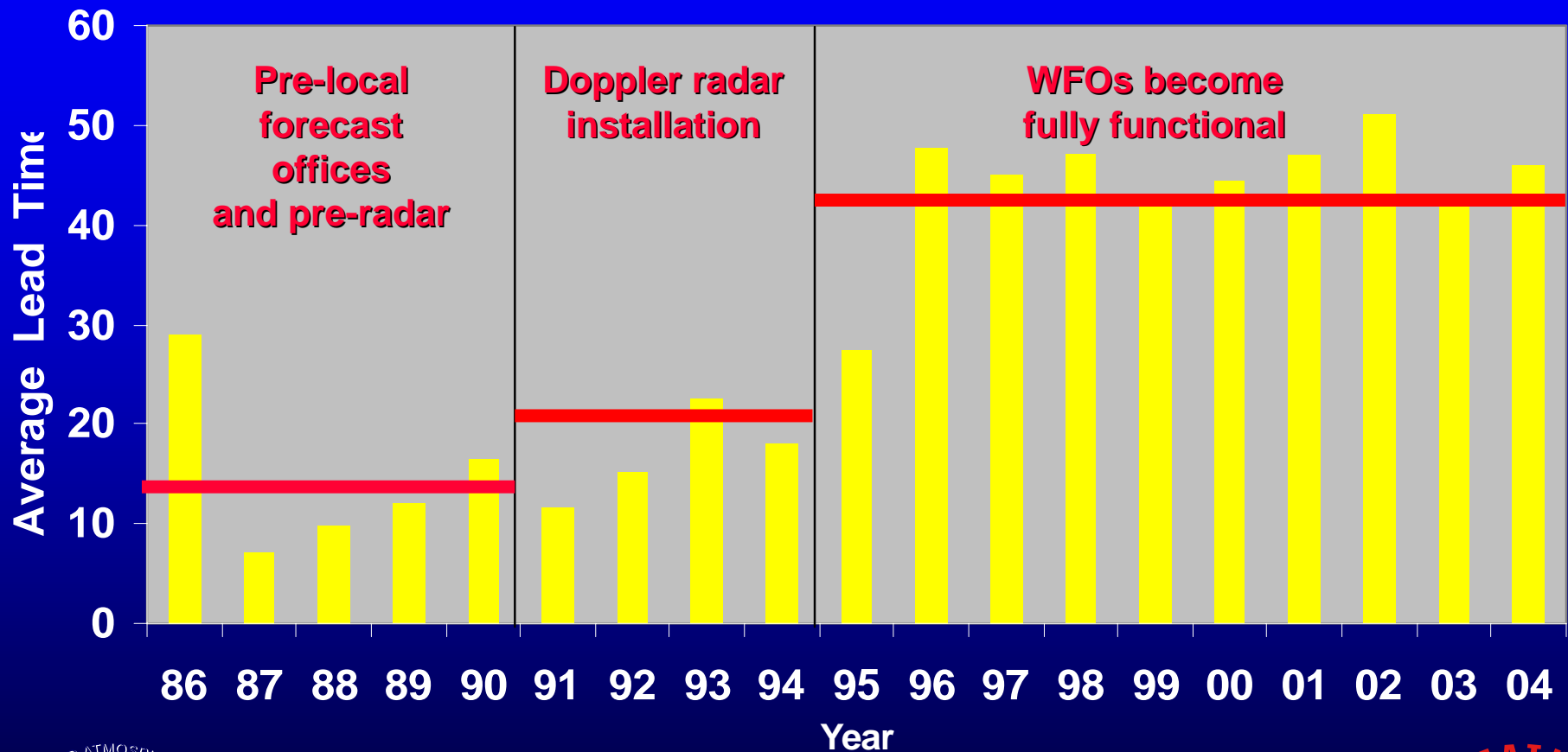


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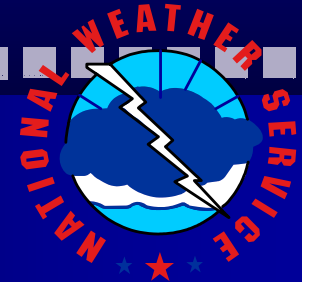


# Local WFOs Save Lives

## Flash Flood Warning Lead Time

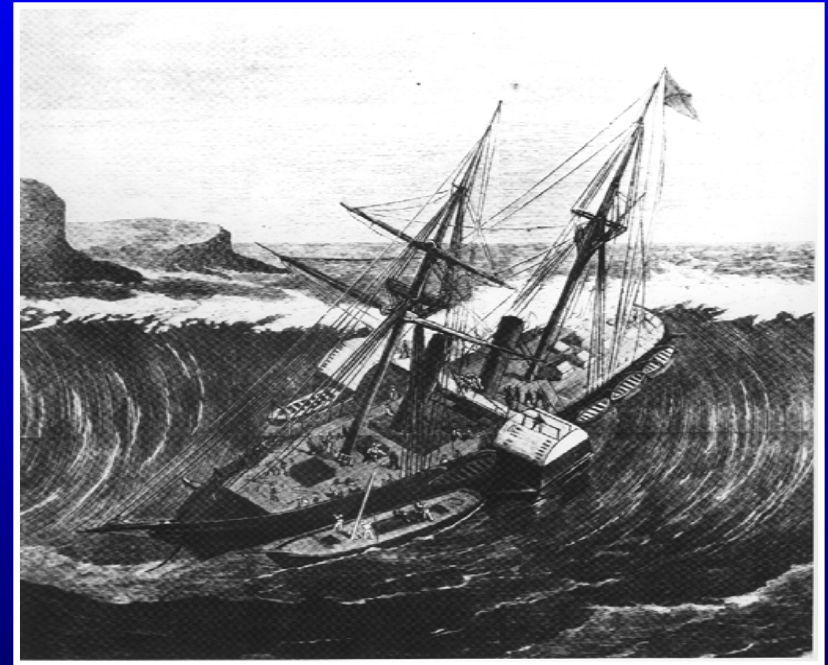


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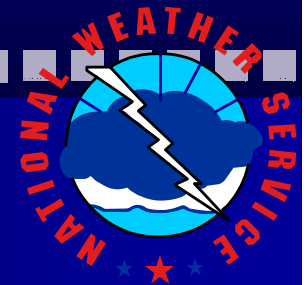


# Distribution of Tsunamis in the World's Oceans

Location	%
Atlantic Coasts	2.0
Mediterranean	10.1
Caribbean	13.8
Bay of Bengal	0.8
East Indies	20.3
Oceania	25.4
Japan-Russia	18.6
Pacific East Coast	8.9

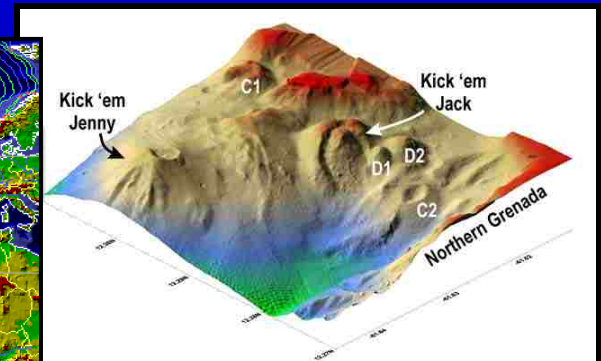
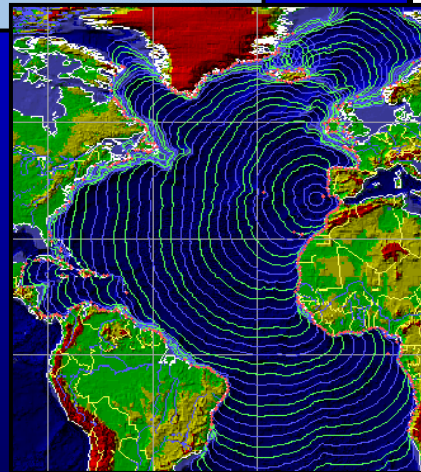
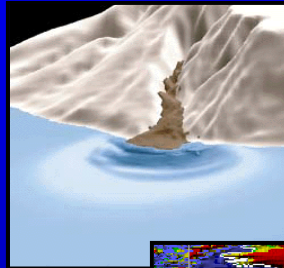


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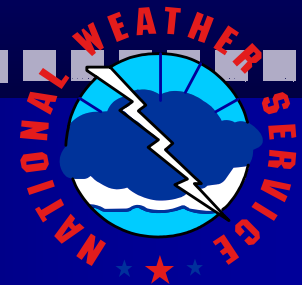


# Atlantic Tsunami-genic Events

- Earthquake
- Landslide  
(includes possible meg-tsunami e.g. La Palma, Canary Islands)
- Submarine Volcano
- Tele-tsunami



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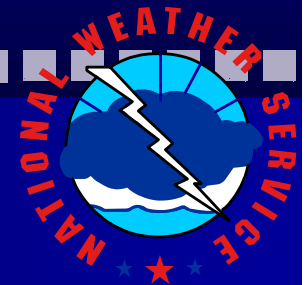


# Western North Atlantic Tsunami Fatalities in last 150 Years

Date	Place	Fatalities
1853	Venezuela	600-4,000 (est.)*
1867	Virgin Islands	23
1882	Panama	75-100
1906	Jamaica	500
1918	Puerto Rico	140
1929	Canada	28
1946	Puerto Rico	75
1946	Dominican Republic	1,790
		<b>2,631 TOTAL</b> *not included



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# Elements of Tsunami Warning System

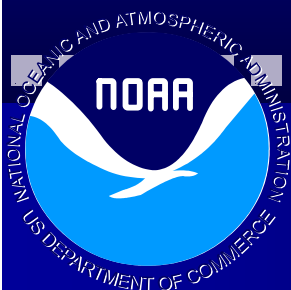
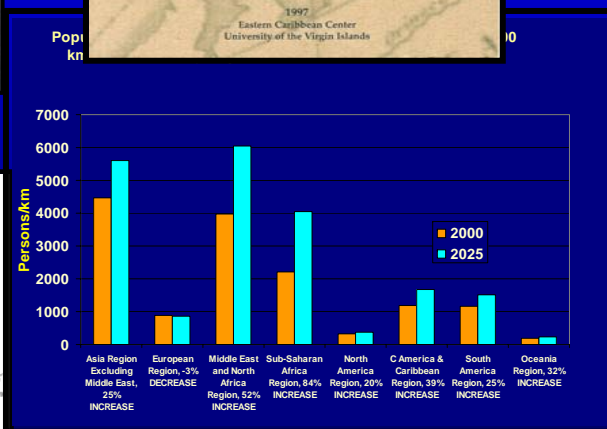
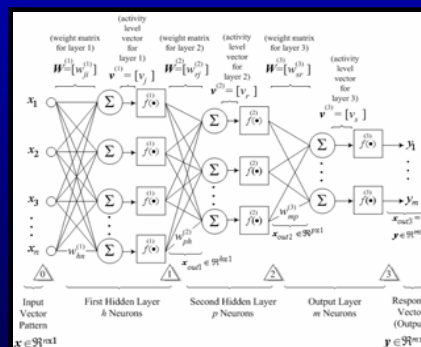
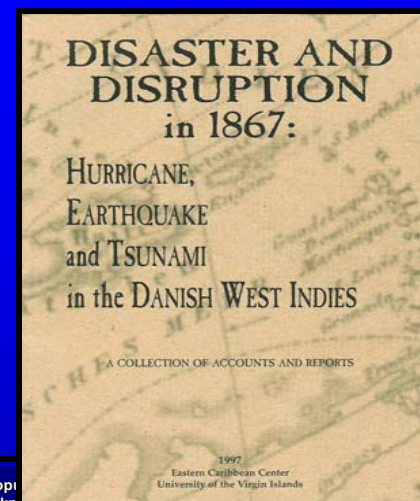
- Education

- Warning

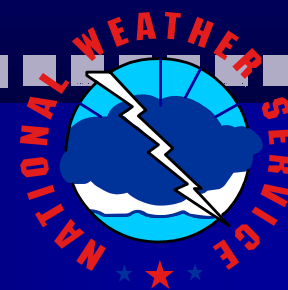
Seismic, Sea Level, Communications

- Community Preparedness

- Research



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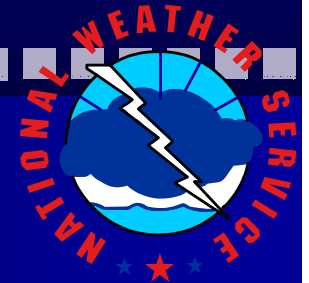
# NWS SR Internet Site

[www.srh.weather.gov](http://www.srh.weather.gov)

- Serves as one-stop source of weather info.
- Developed with both partners and public in mind.
  - **Easy navigation**
  - **Data given in the manner you need it.**
- Increases public awareness and response to valuable NWS 24 x 7 products and services.



NWS SOUTHERN REGION  
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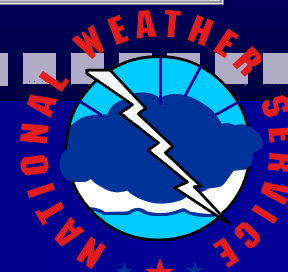


# NWS SR Internet Site

- Forecasts obtained by either **postal zip code**, **city/state search**, or by **point and click map**
- Weather Information in clear, concise format
- Emphasizes local WFO expertise

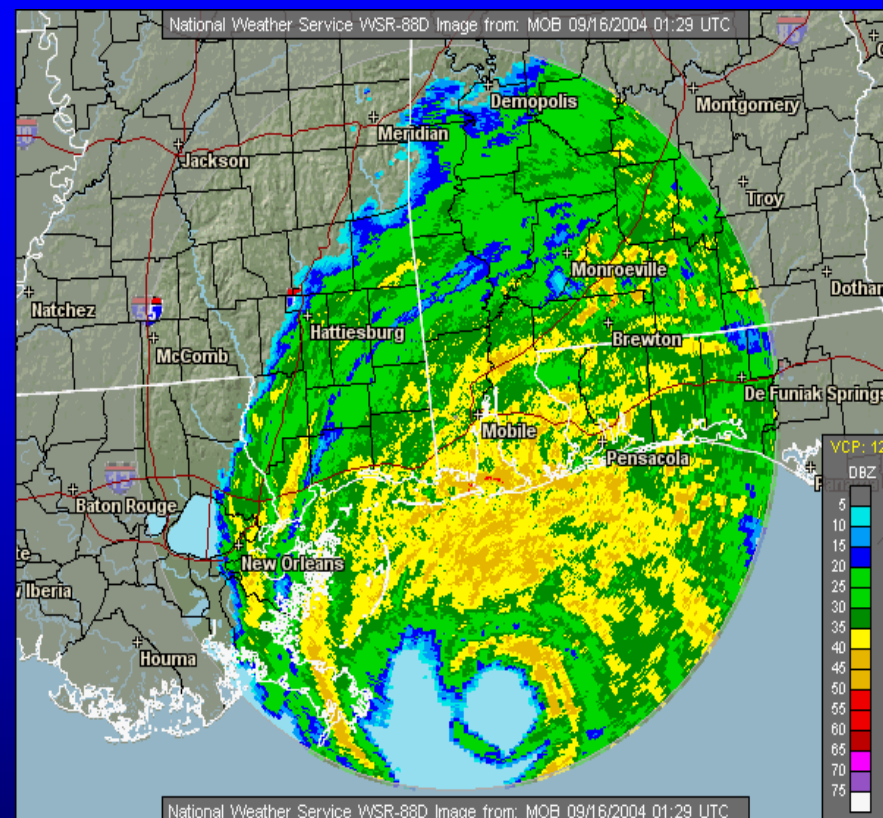


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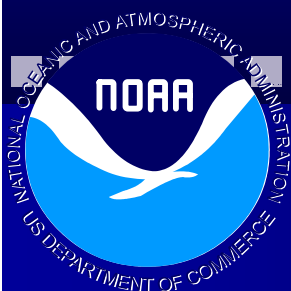


# New GIS Radar Imagery

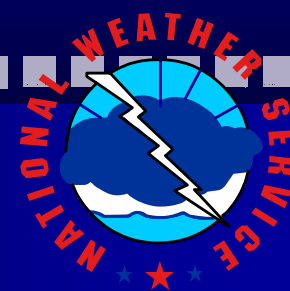
- Available as time loops for Weather Service Radars
- New GIS Topographic Base Map
- Provides real time storm, movement, precipitation and now, *velocity* data!



[www.srh.weather.gov/ridge](http://www.srh.weather.gov/ridge)



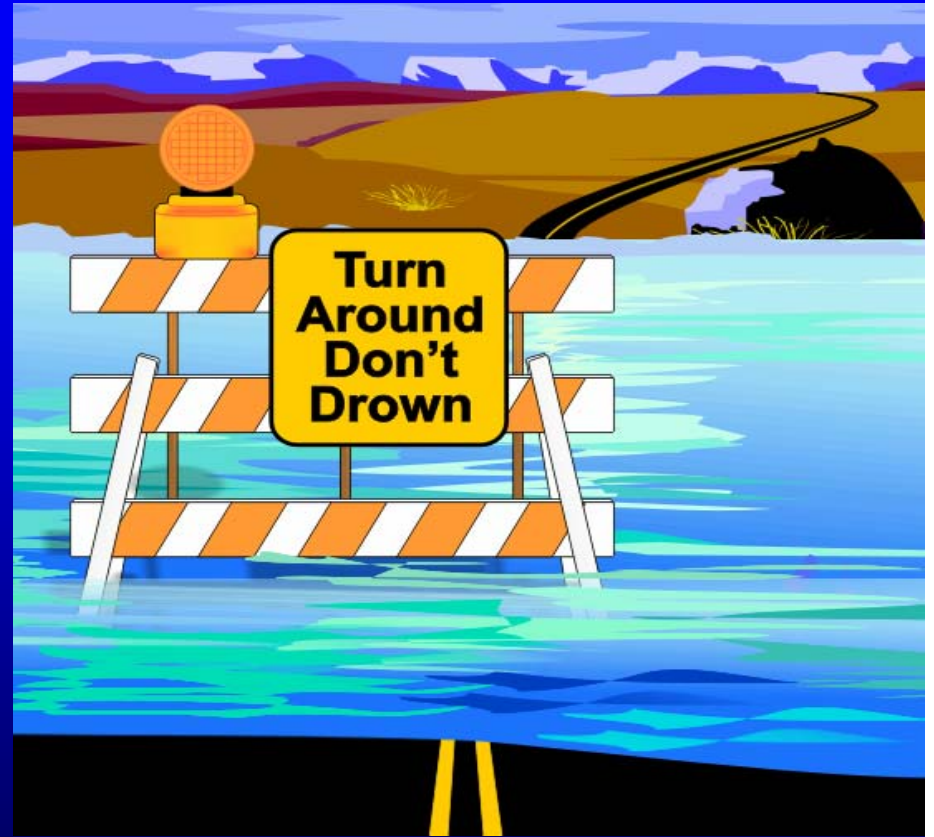
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# Turn Around Don't Drown™

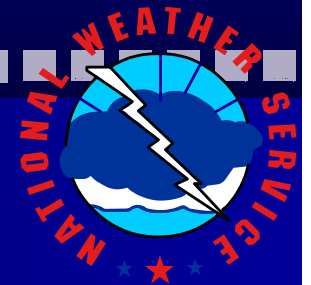
- Flood Safety Campaign.
- 30+ local, regional, and national partners.
- *A Southern Region initiative, now National!*



[www.srh.weather.gov](http://www.srh.weather.gov)



NWS SOUTHERN REGION  
[www.srh.weather.gov](http://www.srh.weather.gov)

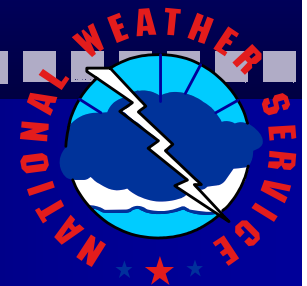


# StormReady®

- Start in Tulsa – 1998
- 867 nationwide sites
- Improves community weather preparedness
- *A Southern Region initiative, now National!*



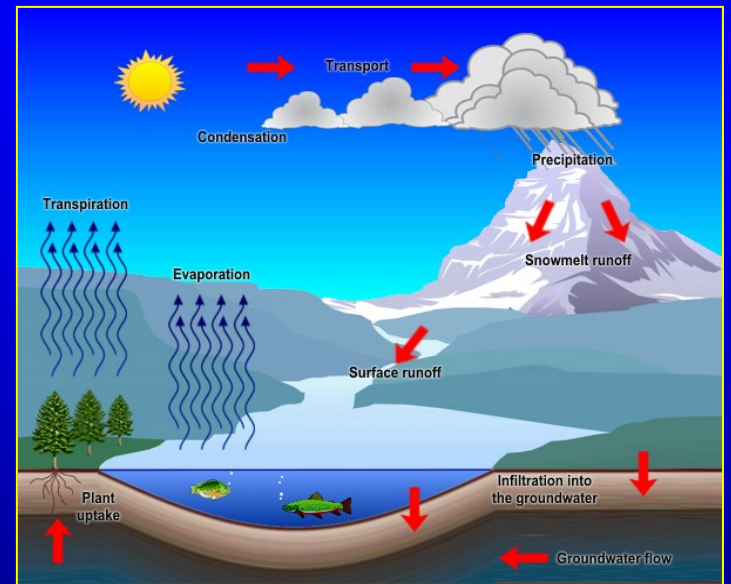
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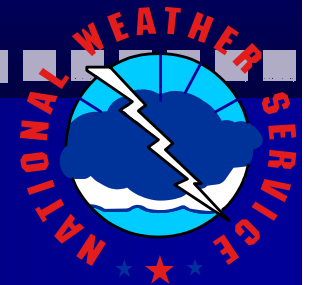
# Project JETSTREAM

- A weather learning tool for EMs, media, teachers, students, public, aviation and marine communities.
- Includes weather preparedness & safety tips.
- Includes all weather from thunderstorms to winter storms.
- *A Southern Region initiative, now National!*



[www.srh.weather.gov](http://www.srh.weather.gov)

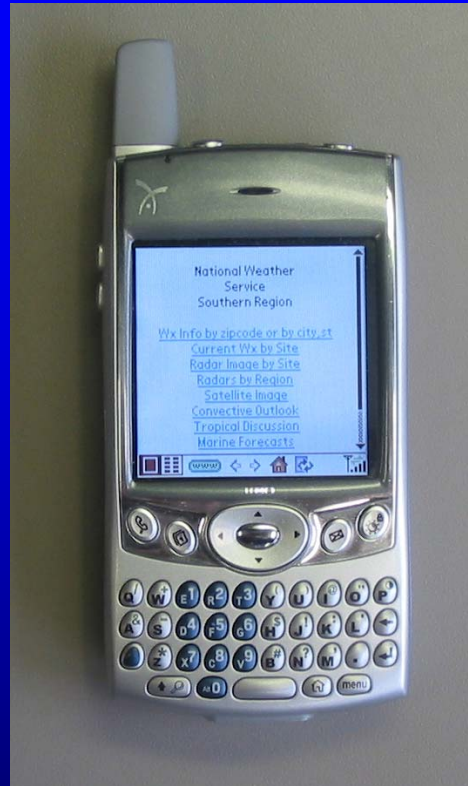
NWS SOUTHERN REGION  
[www.srh.weather.gov](http://www.srh.weather.gov)



# Mobile Weather

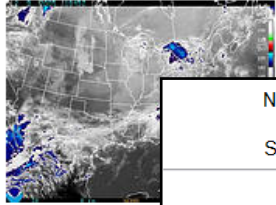
All the weather info  
you need is now  
available on mobile  
devices!

*A Southern Region  
Initiative!*



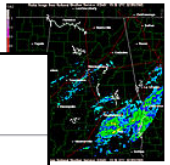
National Weather Service Southern Region

GOES Eastern US IR



National Weather Service Southern Region

Radar: kbmh  
Birmingham, AL  
01:36 PM CST Wed Feb 09 2005



[Loop Satellite](#)  
[For Wide Pa](#)

National Weather Service Southern Region

Fort Worth, TX  
Current Local Conditions at:  
Dallas / Fort Worth International Airport  
Last Update: 02/09/05, 12:53 PM CST  
Mostly Cloudy: 43 °F

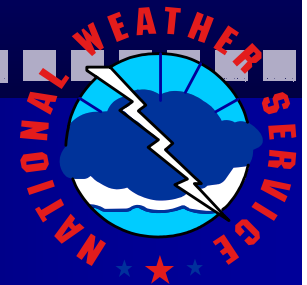
[Radar Image](#)  
[Storm Totals](#)  
[Page Mode](#)

[Forecast at a Glance](#)  
[Detailed 7-day Forecast](#)  
[Your Local Radar](#)  
[Current Conditions](#)  
[Satellite Image](#)  
[Hazardous Weather](#)  
[Area Forecast Discussion](#)

[www.srh.weather.gov/wml](http://www.srh.weather.gov/wml)



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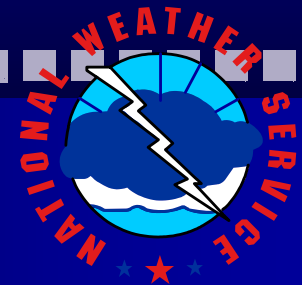
# The Future of the NWS

Improvement will be through –

*“mesoscale (local scale) weather & climate information, modeling, forecasts and warnings ”*



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**“...government closest to the people,  
governs best.”**

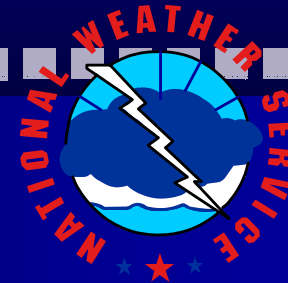
**- President George W. Bush**

As epitomized by the NWS:

**...government closest to the people,  
serves best!**



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**Questions?**  
**Bill.Proenza@noaa.gov**  
**(817) 978-1000**

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**At Left Margin Click on:**  
**At Left Margin Click on:**

**Welcome from the Director**  
**“2005 National Severe  
Weather Workshop”**



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